PATENT
Docket No. 29287/142

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS: Keiji TOMOOKA, et al.

SERIAL NO. : (Cont. of 09/907,939)

FILED : (Herewith)

FOR : OPTICAL TRANSMISSION SYSTEM CONSTRUCTING METHOD AND SYSTEM

GROUP : 2874 (Anticipated)

EXAMINER : K. M. Negashi (Anticipated)

COMMISSIONER FOR PATENTS
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PRELIMINARY AMENDMENT

SIR:

Prior to initial examination, please amend the above-identified application as follows:

IN THE ABSTRACT:

Please enter the following amended abstract:

An optical transmission system accomplishes optical transmission [[to]] over a long distance by combining a multiplexing line terminal with optical amplifiers, linear repeaters, and regenerators with optical amplifiers combined together. The system also accomplishes the optical transmission [[to]] over a short distance by directly connecting the linear terminals therebetween, with an electric-to-optic converter replaced by an electric-to-optic converter having a semiconductor amplifier, with an optic-toelectric converter by an optic-to-electric converter having an avalanche photodiode as light receiver, [[an]] and with no use of any optical booster amplifier and optical preamplifier in multiplexing line terminal. With these, the optical transmission system can be easily constructed depending on the transmission distance required.